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Reverse complemented strand

□ 1: NM 080751. Reports Homo sapiens tran...[gi:94536851]

to end

Links

Comment Features Sequence PRI 14-MAY-2006 NM 080751 3169 bp mRNA linear LOCUS Homo sapiens transmembrane channel-like 2 (TMC2), mRNA. DEFINITION ACCESSION NM 080751 NM 080751.2 GI:94536851 VERSION KEYWORDS SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo. (bases 1 to 3169) REFERENCE Kimura, K., Wakamatsu, A., Suzuki, Y., Ota, T., Nishikawa, T., **AUTHORS** Yamashita, R., Yamamoto, J., Sekine, M., Tsuritani, K., Wakaguri, H., Ishii, S., Sugiyama, T., Saito, K., Isono, Y., Irie, R., Kushida, N., Yoneyama, T., Otsuka, R., Kanda, K., Yokoi, T., Kondo, H., Wagatsuma, M., Murakawa, K., Ishida, S., Ishibashi, T., Takahashi-Fujii, A., Tanase, T., Nagai, K., Kikuchi, H., Nakai, K., Isogai, T. and Sugano, S. Diversification of transcriptional modulation: large-scale TITLE identification and characterization of putative alternative

promoters of human genes

JOURNAL Genome Res. 16 (1), 55-65 (2006)

PUBMED 16344560

Range: from |begin

REFERENCE 2 (bases 1 to 3169)

AUTHORS Kurima, K., Yang, Y., Sorber, K. and Griffith, A.J.

TITLE Characterization of the transmembrane channel-like (TMC) gene family: functional clues from hearing loss and epidermodysplasia

verruciformis

JOURNAL Genomics 82 (3), 300-308 (2003)

PUBMED 12906855

REFERENCE 3 (bases 1 to 3169)

AUTHORS Keresztes, G., Mutai, H. and Heller, S.

TITLE TMC and EVER genes belong to a larger novel family, the TMC gene

family encoding transmembrane proteins

JOURNAL (er) BMC Genomics 4 (1), 24 (2003)

PUBMED 12812529

REFERENCE 4 (bases 1 to 3169)

AUTHORS Kurima, K., Peters, L.M., Yang, Y., Riazuddin, S., Ahmed, Z.M., Naz, S.,

Arnaud, D., Drury, S., Mo, J., Makishima, T., Ghosh, M., Menon, P.S., Deshmukh, D., Oddoux, C., Ostrer, H., Khan, S., Riazuddin, S.,

Deininger, P.L., Hampton, L.L., Sullivan, S.L., Battey, J.F. Jr.,

Keats, B.J., Wilcox, E.R., Friedman, T.B. and Griffith, A.J.

Dominant and recessive deafness caused by mutations of a novel

gene, TMC1, required for cochlear hair-cell function JOURNAL Nat. Genet. 30 (3), 277-284 (2002)

PUBMED 11850618

TITLE

COMMENT VALIDATED <u>REFSEQ</u>: This record has undergone preliminary review of the sequence, but has not yet been subject to final review. The reference sequence was derived from <u>AF417580.2</u>, <u>DA769512.1</u> and

AL049712.12.

On May 4, 2006 this sequence version replaced gi: 20304092.

Summary: This gene is considered a member of a gene family predicted to encode transmembrane proteins. The specific function of this gene is unknown; however, expression in the inner ear suggests that it may be crucial for normal auditory function. Mutations in this gene may underlie hereditary disorders of balance and hearing.

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Nucleotide Protein Taxonomy Search Nucleotide Clear Go for] Limits History Clipboard Details Preview/Index Display |GenBank Show 5 ■ Send to $\mathbf{\nabla}$ to end Refresh Range: from | begin ☐ Reverse complemented strand Features:

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☐ 1: AF417580. Reports Homo sapiens tran...[gi:28642834] Comment <u>Features</u> Sequence 3169 bp linear PRI 05-MAR-2003 mRNA LOCUS AF417580 Homo sapiens transmembrane channel-like protein 2 (TMC2) mRNA, DEFINITION complete cds. AF417580 ACCESSION VERSION AF417580.2 GI:28642834 KEYWORDS SOURCE Homo sapiens (human) ORGANISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo. REFERENCE (bases 1 to 3169) **AUTHORS** Kurima, K., Peters, L.M., Yang, Y., Riazuddin, S., Ahmed, Z.M., Naz, S., Arnaud, D., Drury, S., Mo, J., Makishima, T., Ghosh, M., Menon, P.S.N., Deshmukh, D., Oddoux, C., Ostrer, H., Khan, S., Raizuddin, S., Deininger, P.L., Hampton, L.L., Sullivan, S.L., Battey, J.F., Keats, B.J.B., Wilcox, E.R., Friedman, T.B. and Griffith, A.J. Dominant and recessive deafness caused by mutations of a novel TITLE gene, TMC1, required for cochlear hair-cell function Nat. Genet. 30 (3), 277-284 (2002) JOURNAL 11850618 PUBMED REFERENCE (bases 1 to 3169) Kurima, K., Griffith, A.J. and Friedman, T.B. **AUTHORS** TITLE Direct Submission Submitted (10-SEP-2001) NIDCD, NIH, 5 Research Court, #2A02, **JOURNAL** Rockville, MD 20850, USA REFERENCE (bases 1 to 3169) Kurima, K., Griffith, A.J. and Friedman, T.B. **AUTHORS** TITLE Direct Submission Submitted (03-MAR-2003) NIDCD, NIH, 5 Research Court, #2A02, **JOURNAL** Rockville, MD 20850, USA Sequence update by submitter REMARK COMMENT On Mar 3, 2003 this sequence version replaced gi: 19223982. **FEATURES** Location/Qualifiers 1..3169 source

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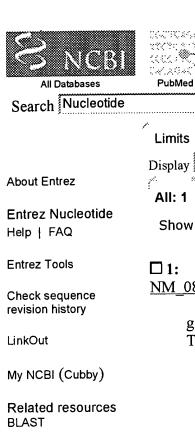
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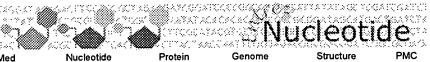
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Qy	181	CAGAAGGAGCGCCGGGGGCAGCCCAAGCCCGGGGTCTCCCCGGAGGAAGCAAACAGGG	240
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QУ	241	CGCAGGAGACACAGAGAAGAGCTGGGGGGAGCAGGAGGGCGGGGGGGG	300
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QУ	301	GAGGGCAGGAGAAAGCGCGACGAGAGGGCCTCCTTCCAGGAGCGGACAGCAGCCCCAAAG	360
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Qу	601	GGTGCCTTGGGAAAGGGAAAGGCAAGCAACTATATGCCTACAAGATGCTGATGGCCAAG	660
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Qу	661	AAATGGGTCAAATTTAAGAGAGACTTTGATAATTTCAAGACTCAATGTATCCCCTGGGAA	720
Db	661	AAATGGGTCAAATTTAAGAGAGACTTTGATAATTTCAAGACTCAATGTATCCCCTGGGAA	720
Qу	721	ATGAAGATCAAGGACATTGAAAGTCACTTTGGTTCTTCAGTGGCATCGTATTTCATCTTT	780
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Qу	781	CTCCGATGGATGTATGGAGTTAACCTTGTCCTTTTTGGCTTAATATTTTGGTCTAGTCATA	840
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Qу	841	ATCCCAGAGGTACTGATGGGCATGCCCTATGGGAGTATTCCCAGAAAGACAGTGCCTCGG	900
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Qу		CAGCAATTCTCCAAAATGCAGAATGTCAGCTGGTATGAAAGGAATGAGGTAGAGATCGTG	
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Qy	1441	ATGTCCCTGCTTGGAATGTTTTGTCCCCCTCTGTTTGAAACCATCGCTGCCCTGGAGAAT	1500
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Qy	1561	AACCTCTACACATTTCTCTTGGCCCTGATGGATGACGTCCACCTCAAGCTTGCTAATGAA	1620
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Qy	1681	AACGAGAGTGTCCCCCGACCACCCTGCACCCTGCAGATGTGCCCCGGGGTTCTTGCTGG	1740
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Db	1741	GAGACAGCTGTGGGCATTGAATTCATGAGGCTGACGGTGTCTGACATGCTGGTAACGTAC	1800
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Qy	2101	ATGGGCCTCCTGCTGGTGCTCTTCCTCAGCCTCCTGCCGGTGGCCTACACCATCATG	2160
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Db	2221		2280

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